## LITHOGRAPHIC ANTIREFLECTIVE HARDMASK COMPOSITIONS AND USES THEREOF

## Abstract of the Disclosure

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Compositions and techniques for the processing of semiconductor devices are provided. In one aspect of the invention, an antireflective hardmask composition is provided. The composition comprises a fully condensed polyhedral oligosilsesquioxane, {RSiO<sub>1.5</sub>}<sub>n</sub>, wherein n equals 8; and at least one chromophore moiety and transparent moiety. In another aspect of the invention, a method for processing a semiconductor device is provided. The method comprises the steps of: providing a material layer on a substrate; forming an antireflective hardmask layer over the material layer. fully condensed antireflective hardmask layer comprises a oligosilsesquioxane, {RSiO<sub>1.5</sub>}<sub>n</sub>, wherein n equals 8; and at least one chromophore moiety and transparent moiety.